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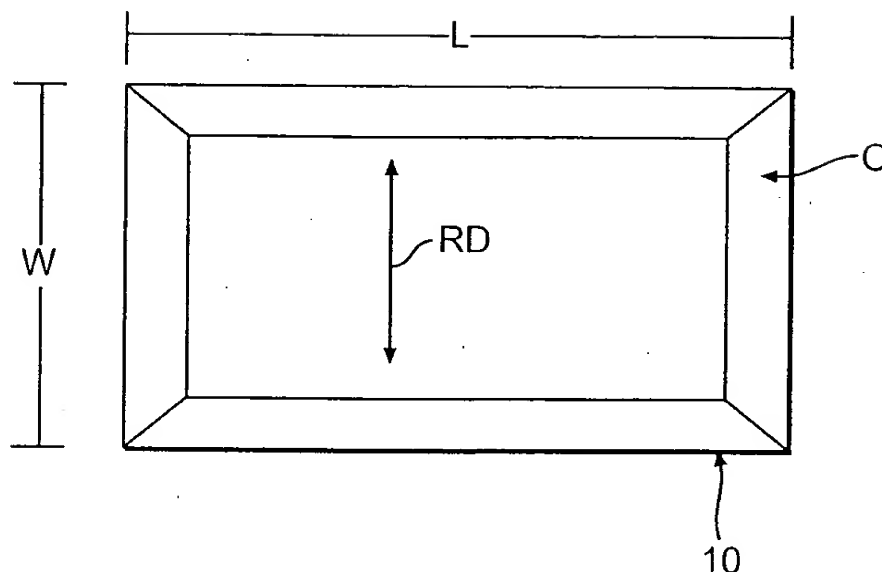


FIG. 1

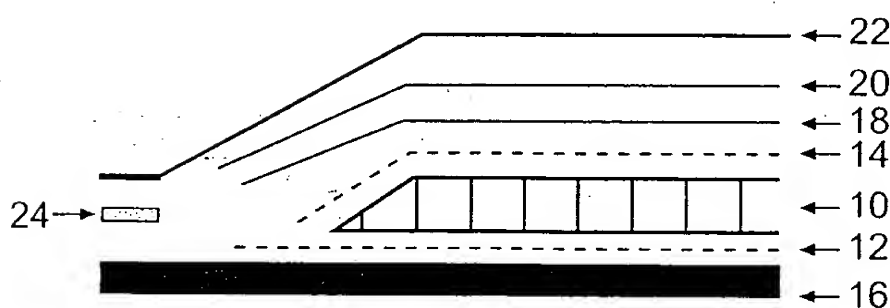


FIG. 3

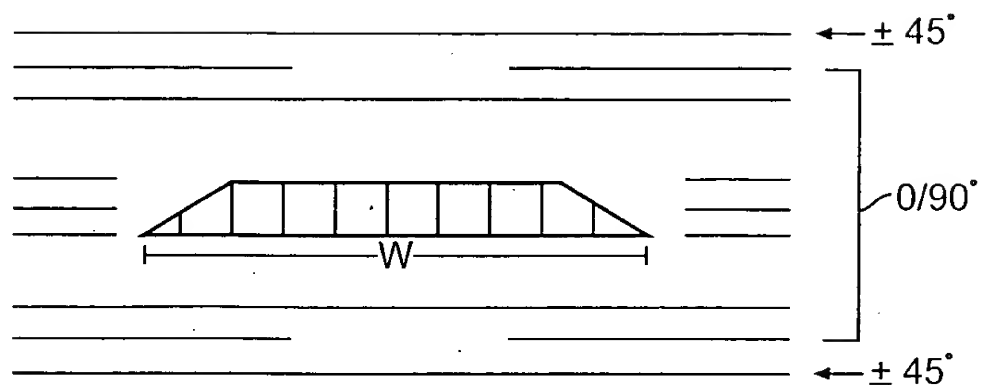


FIG. 2A

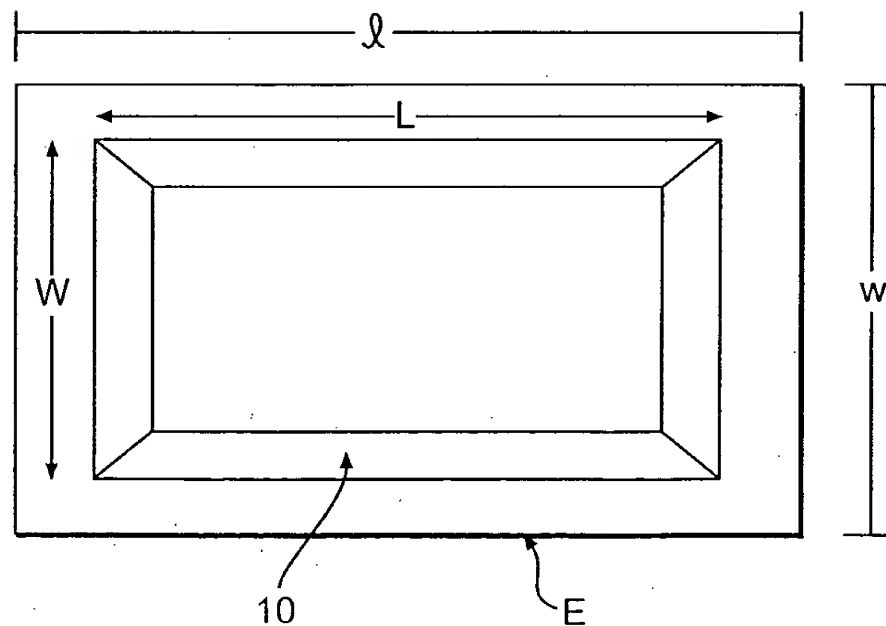
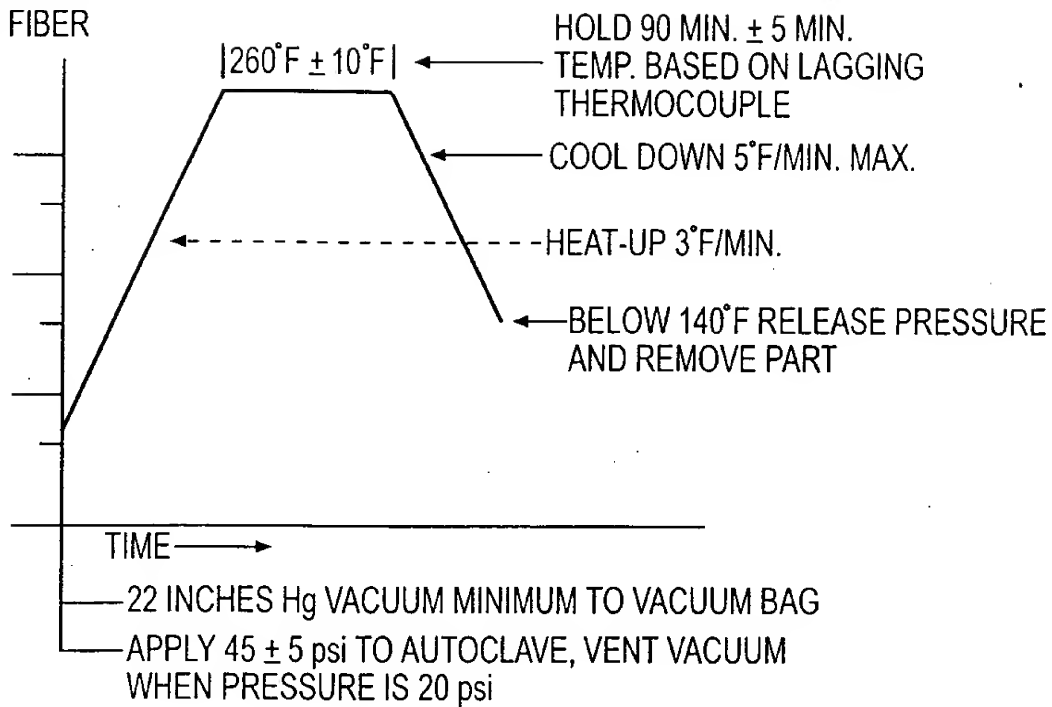
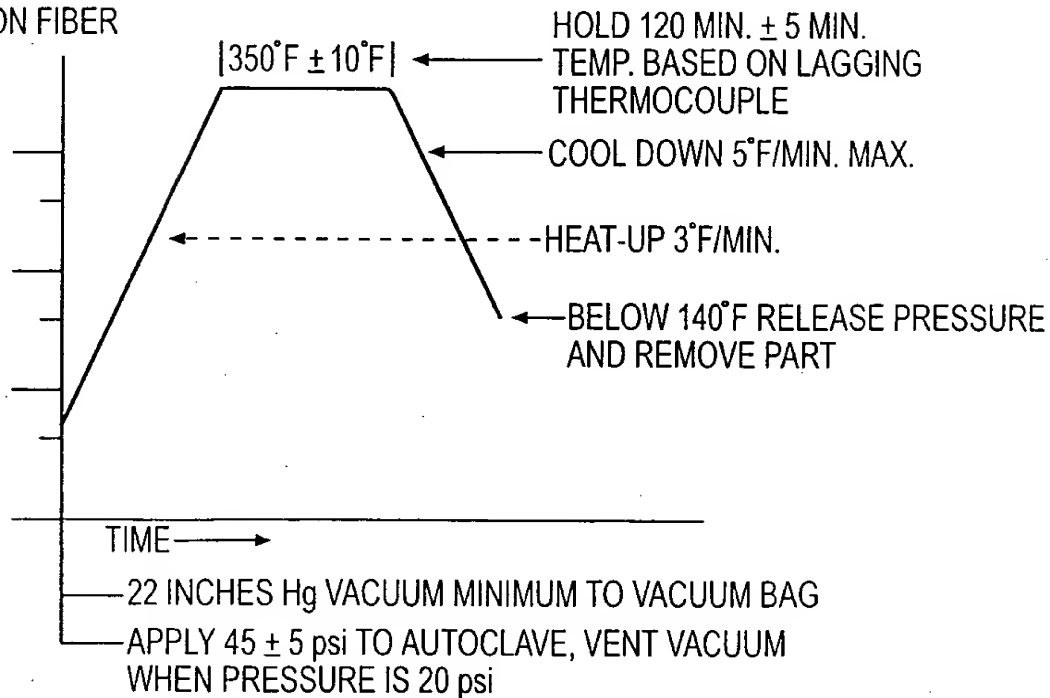


FIG. 2B

CURE CYCLE
GLASS FIBER**FIG. 4A**CURE CYCLE
CARBON FIBER**FIG. 4B**

664250" 604250

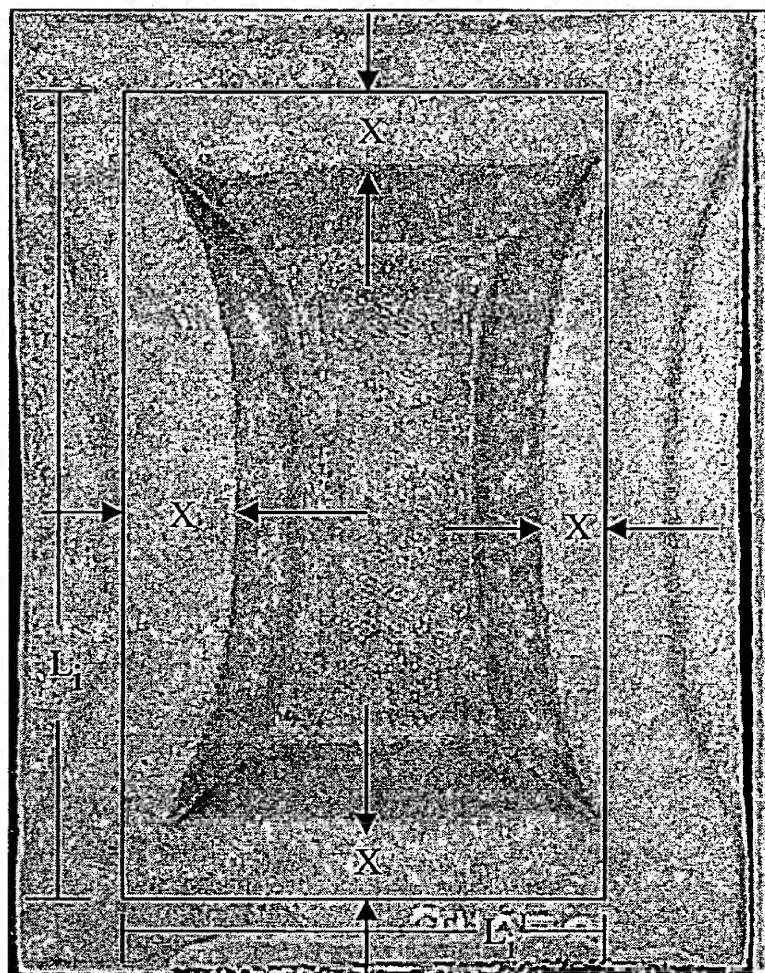


FIG. 5

TYPICAL SILANE COUPLING AGENT

A-SI-R-B

A - HYDROLYZABLE FUNCTION

Si - SILICON ATOM

R - ALKYL BRIDGING GROUP

B - ORGANOFUNCTIONAL GROUP

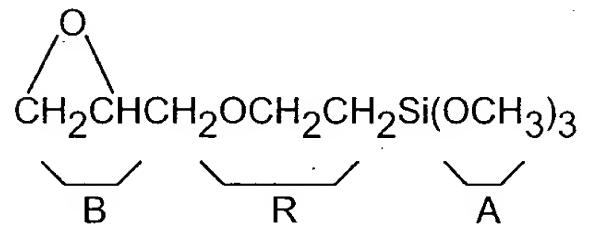
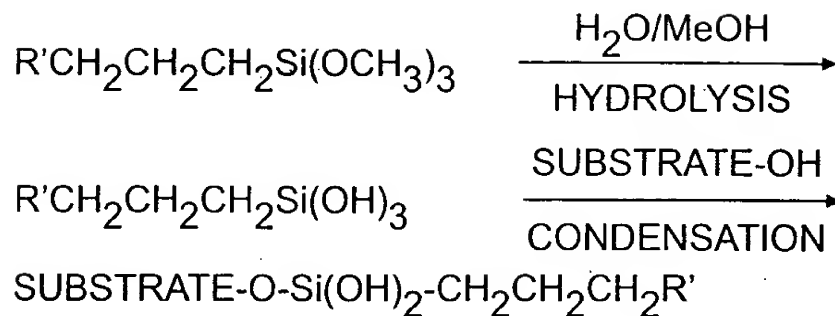


FIG. 6

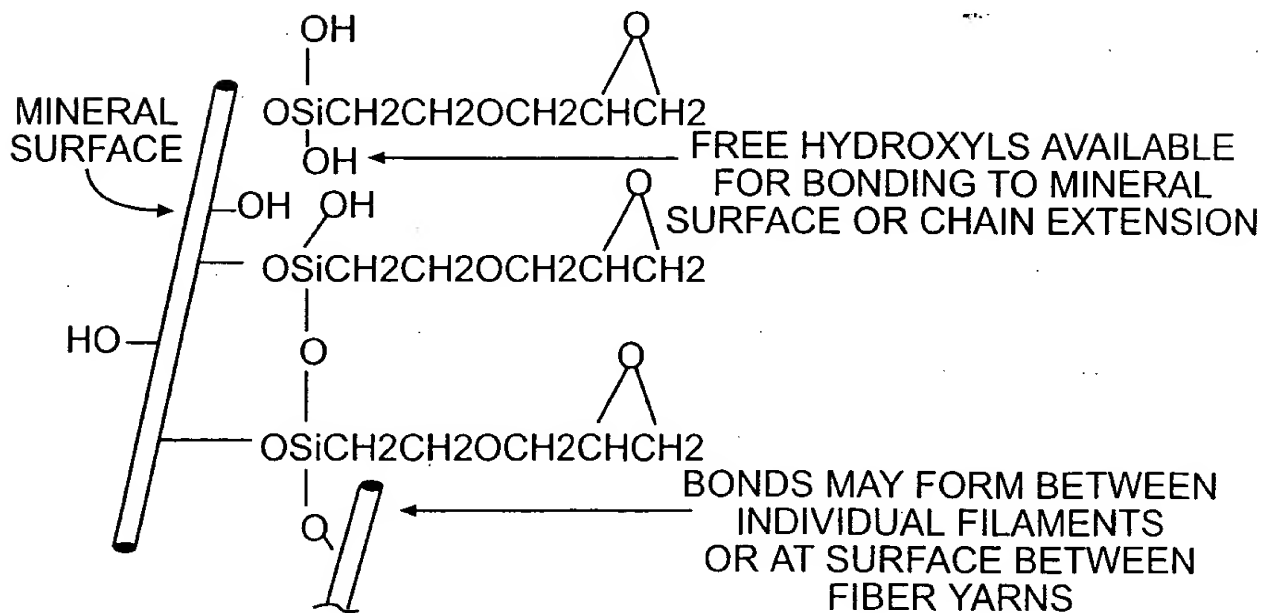
COUPLING AGENT CHEMISTRY



R' = REACTIVE ORGANIC GROUP
 SUBSTRATE = GLASS FABRIC

FIG. 7

TYPICAL SILANE COUPLING AGENT

**FIG. 8**

FINISH DEPOSITS ON FIBERGLASS STRAND

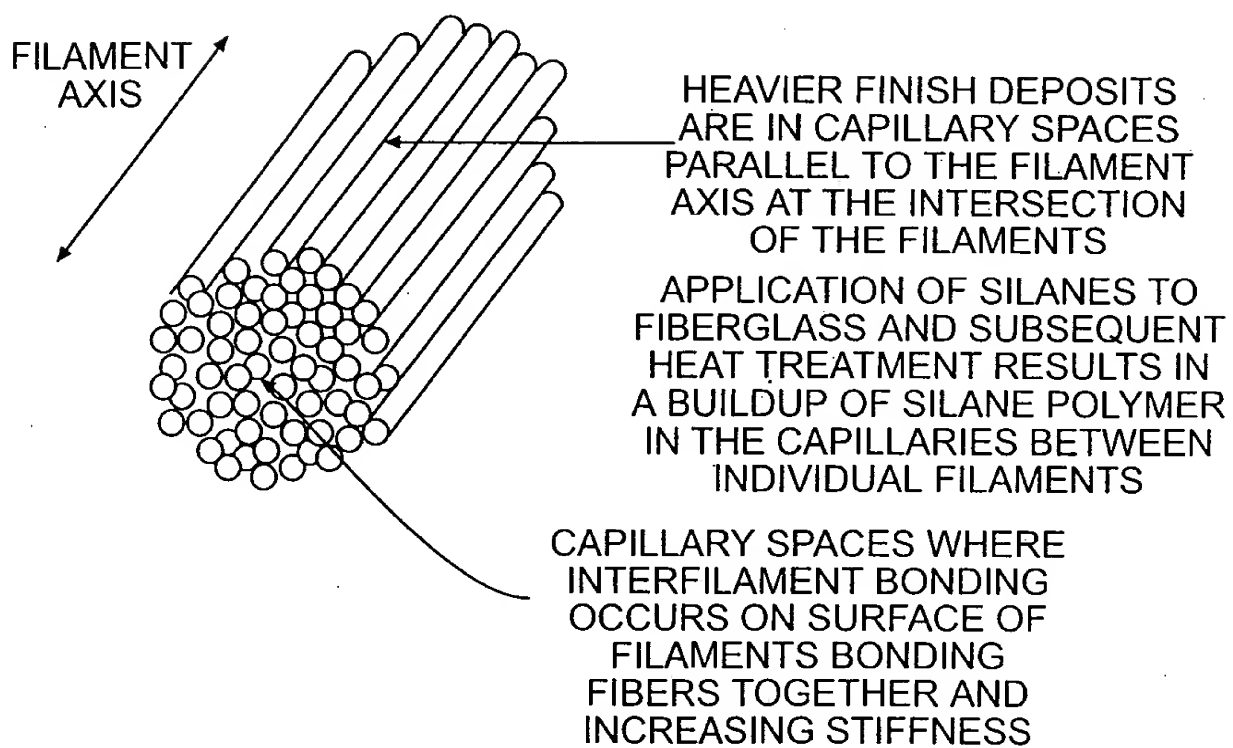


FIG. 9

66450-1504260

HEAT TREATED FABRIC

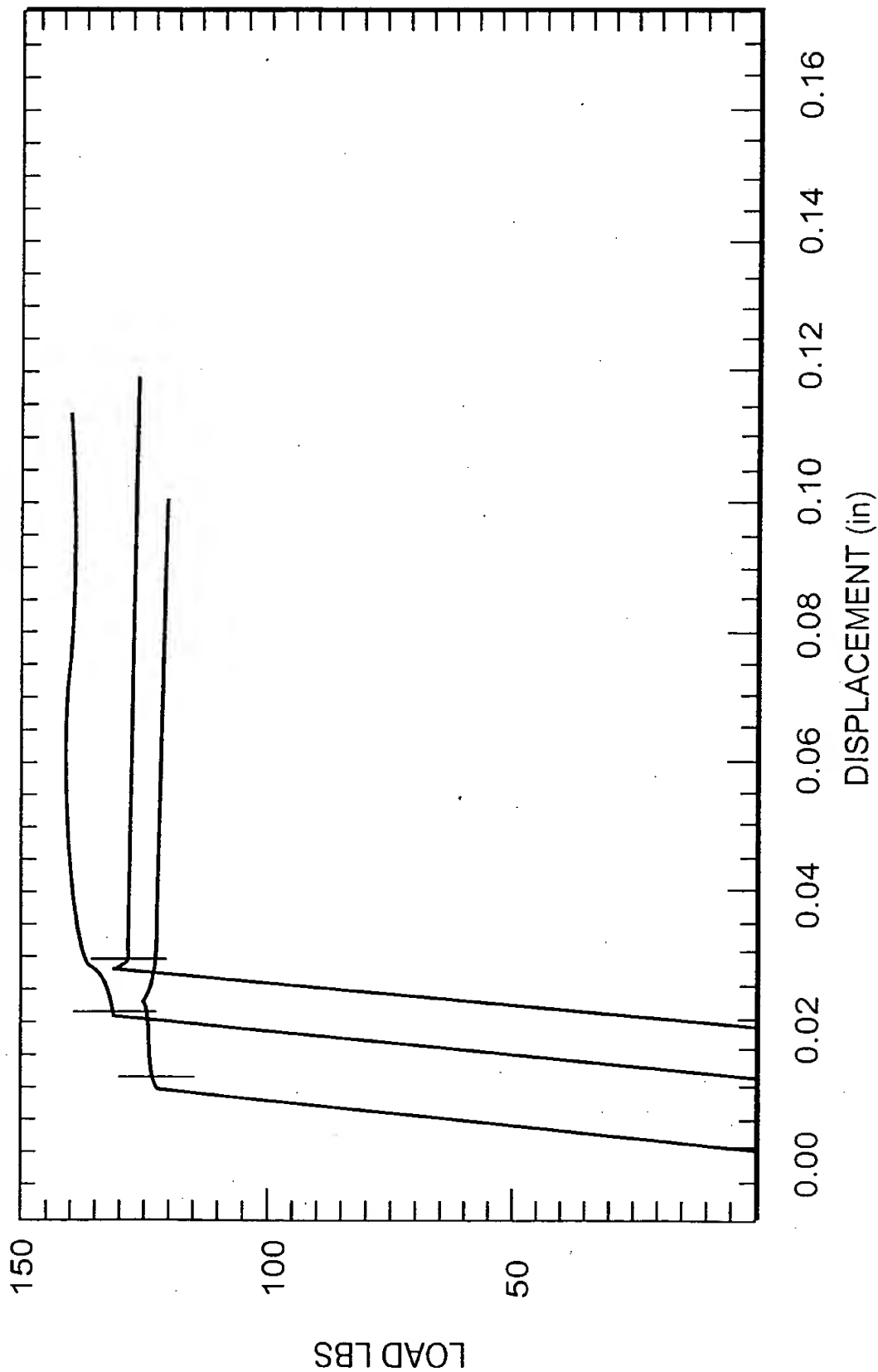


FIG. 10

66-1250-60-41660

HEAT TREATED FRABRIC

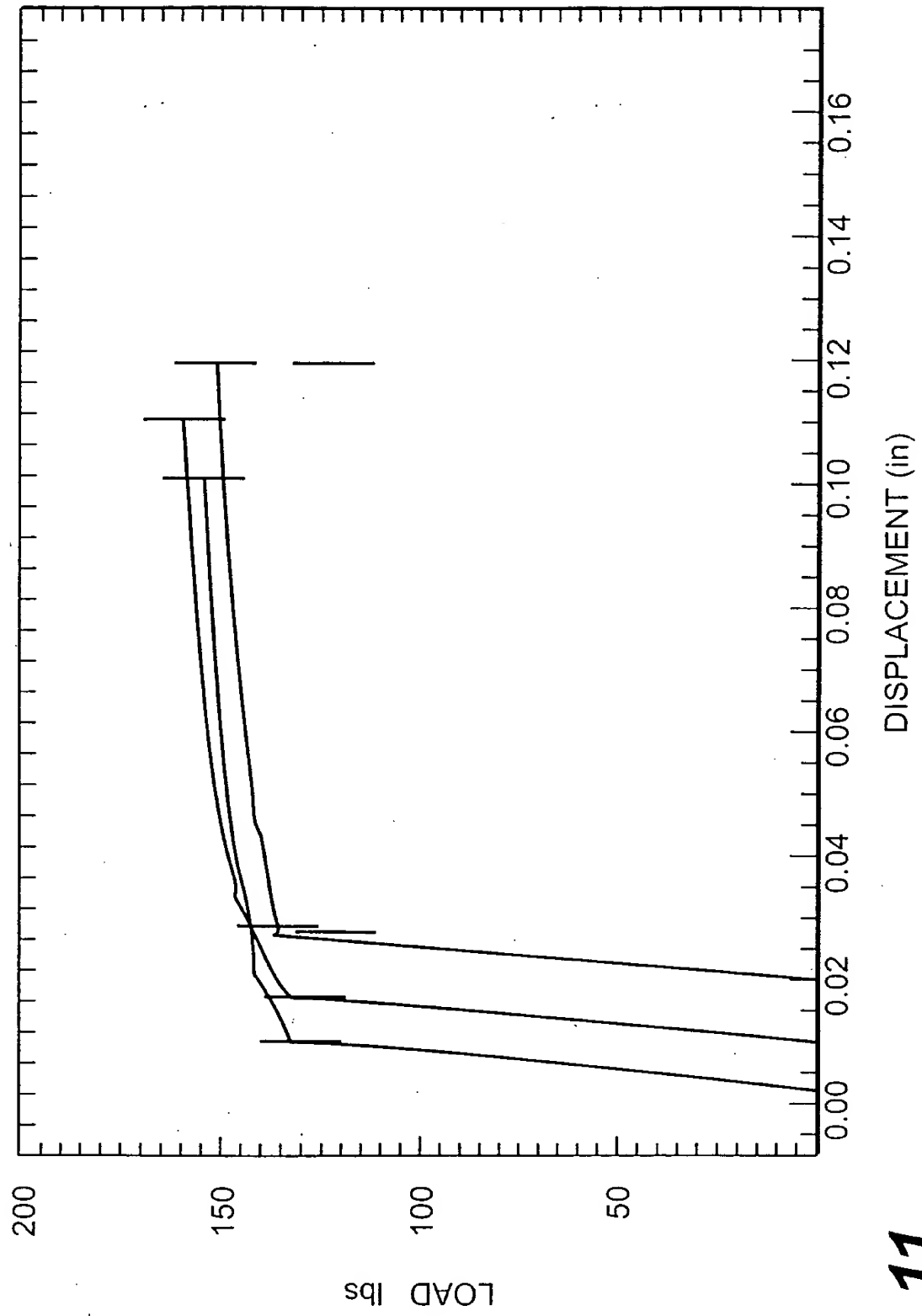


FIG. 11

6050-5042-60

61	CLASS	SUBCLASS
DRAFTSMAN		

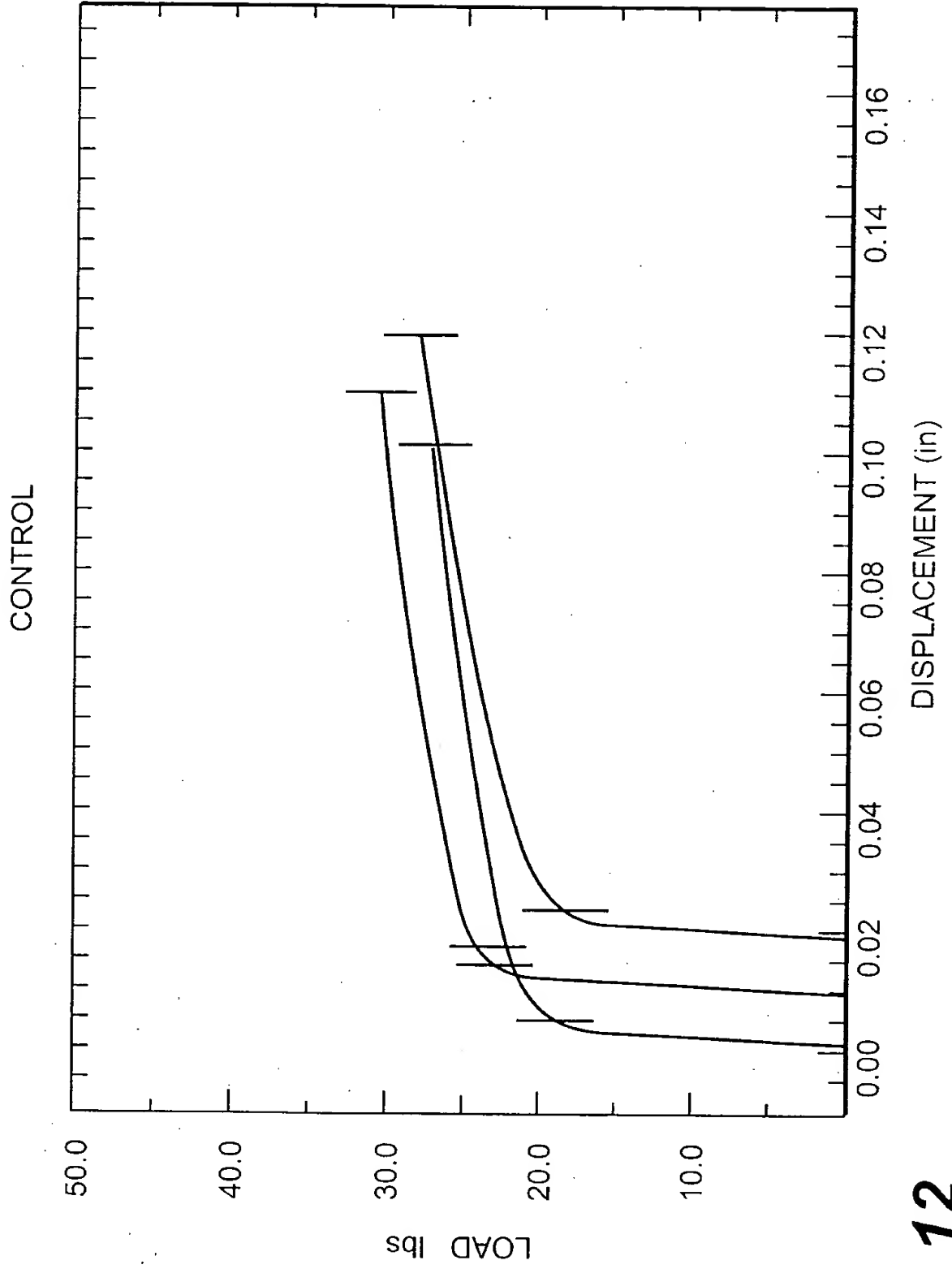


FIG. 12